

SCORE Search Results Details for Application 10552515 and Search Result 20080624_135838_us-10-552-515-1_copy_157_933.ra1.

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Page	List	Overview	FAQ	Suggestions

This page gives you Search Results detail for the Application 10552515 and Search Result 20080624_135838_us-10-552-515-1_copy_157_933.ra1.

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OM protein - protein search, using sw model

Run on: June 24, 2008, 15:22:38 ; Search time 279 Seconds
(without alignments)
518.704 Million cell updates/sec

Title: US-10-552-515-1_COPY_157_933
Perfect score: 4123
Sequence: 1 QQDVQDGNTTVHYALLSASW.....SELSSHWPFTVPKASQLQQ 777

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1143754 seqs, 186252778 residues

Total number of hits satisfying chosen parameters: 1143754

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /ABSS/Data/CRF/ptodata/1/iaa/5_COMB.pep:*
2: /ABSS/Data/CRF/ptodata/1/iaa/6_COMB.pep:*
3: /ABSS/Data/CRF/ptodata/1/iaa/7_COMB.pep:*
4: /ABSS/Data/CRF/ptodata/1/iaa/H_COMB.pep:*
5: /ABSS/Data/CRF/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /ABSS/Data/CRF/ptodata/1/iaa/RE_COMB.pep:*
7: /ABSS/Data/CRF/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	% Query		Length	DB	ID	Description
	No.	Score Match				
1	1502.5	36.4	920	2	US-10-104-047-2574	Sequence 2574, Ap
2	1154	28.0	596	2	US-10-104-047-2541	Sequence 2541, Ap
3	912.5	22.1	475	2	US-10-104-047-3116	Sequence 3116, Ap
4	873.5	21.2	642	3	US-10-108-260A-4483	Sequence 4483, Ap
5	796	19.3	425	2	US-09-270-767-45552	Sequence 45552, A
6	684.5	16.6	483	3	US-10-108-260A-3990	Sequence 3990, Ap
7	594.5	14.4	660	3	US-10-108-260A-3644	Sequence 3644, Ap
8	411.5	10.0	393	3	US-09-876-997-457	Sequence 457, App
9	411.5	10.0	393	3	US-10-643-836-457	Sequence 457, App
10	396.5	9.6	215	2	US-09-270-767-61064	Sequence 61064, A
11	329.5	8.0	366	2	US-09-270-767-32253	Sequence 32253, A
12	329.5	8.0	366	2	US-09-270-767-47470	Sequence 47470, A
13	290	7.0	189	2	US-09-270-767-31816	Sequence 31816, A
14	290	7.0	189	2	US-09-270-767-47033	Sequence 47033, A
15	255.5	6.2	199	2	US-09-270-767-31722	Sequence 31722, A
16	255.5	6.2	199	2	US-09-270-767-46939	Sequence 46939, A
17	186.5	4.5	166	2	US-09-621-976-4064	Sequence 4064, Ap
18	113.5	2.8	631	3	US-10-369-493-12179	Sequence 12179, A
19	108.5	2.6	523	2	US-09-949-016-11540	Sequence 11540, A
20	107.5	2.6	1107	3	US-11-216-782-11586	Sequence 11586, A
21	106.5	2.6	2013	1	US-08-324-977-12	Sequence 12, Appl
22	106.5	2.6	2013	1	US-08-384-616-12	Sequence 12, Appl
23	106.5	2.6	2013	1	US-08-904-686A-12	Sequence 12, Appl
24	106.5	2.6	2013	2	US-09-315-850-12	Sequence 12, Appl
25	106.5	2.6	3010	1	US-08-324-977-2	Sequence 2, Appli
26	106.5	2.6	3010	1	US-08-324-977-14	Sequence 14, Appl
27	106.5	2.6	3010	1	US-08-384-616-2	Sequence 2, Appli
28	106.5	2.6	3010	1	US-08-384-616-14	Sequence 14, Appl
29	106.5	2.6	3010	1	US-08-904-686A-2	Sequence 2, Appli
30	106.5	2.6	3010	1	US-08-904-686A-14	Sequence 14, Appl
31	106.5	2.6	3010	2	US-09-315-850-2	Sequence 2, Appli
32	106.5	2.6	3010	2	US-09-315-850-14	Sequence 14, Appl
33	106	2.6	539	2	US-09-248-796A-16542	Sequence 16542, A
34	105	2.5	1089	2	US-10-012-231A-102	Sequence 102, App
35	105	2.5	1089	2	US-10-015-389A-102	Sequence 102, App
36	105	2.5	1089	2	US-10-006-768A-102	Sequence 102, App
37	105	2.5	1089	2	US-10-015-671A-102	Sequence 102, App
38	105	2.5	1089	2	US-10-015-393A-102	Sequence 102, App
39	105	2.5	1089	2	US-10-011-833A-102	Sequence 102, App
40	105	2.5	1089	2	US-10-006-041A-102	Sequence 102, App
41	105	2.5	1089	2	US-10-012-064A-102	Sequence 102, App
42	105	2.5	1089	2	US-10-015-392A-102	Sequence 102, App
43	105	2.5	1089	3	US-10-011-795B-102	Sequence 102, App
44	105	2.5	1089	3	US-10-015-386A-102	Sequence 102, App
45	105	2.5	1089	3	US-10-012-121A-102	Sequence 102, App

ALIGNMENTS

RESULT 1

US-10-104-047-2574
; Sequence 2574, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2574
; LENGTH: 920
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2574

Query Match	36.4%;	Score 1502.5;	DB 2;	Length 920;
Best Local Similarity	40.4%;	Pred. No. 2e-150;		
Matches	328;	Conservative 145;	Mismatches 270;	Indels 69; Gaps 20;
Qy	8	NTTVHYALLSASWAVLCYYAEDLRLKLPLQE----	LPNQASNWS-----	AGLLAWLGIP 57
		: : : : :: : :		
Db	122	NSDIIIFVKLHAPWEVLGRYAEQMNVRMPFRRKIYYLPRRYKFMSRIDKQISRLRRWLPKK		181
Qy	58	NVLL--EVVPDVPP-EYYSCRFRVNKLPRFLGSDNQDTFFTSTKRHQILFEILAKTPYGH		114
		: : : : : :: : :: : : : :		
Db	182	PMRLDKETLPDLEENDCYTAPFSQQRIHHFI-IHNKETFFNNATRSRIVHHILQRIKY-E		239
Qy	115	EKKNLLGIHQLLAEGVLSAAFPPLHDGPFKTPPEGPQAPRLNQRQVLFQHWARWGKWNKYQ		174
		: :: : :: : ::		
Db	240	EGKNKIGLNRLLTNGSYEAAFPPLHEGSYRSKNSIRTHGAENHRHLLYECWASGWVWYKYQ		299
Qy	175	PLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCFLVFSDIPTQELCGSKDS		234
		: : : : :: : :		
Db	300	PLDLVRRYFGEKIGLYFAWLGWYTGMLFPAAFIGLFVFLYGVTTLDHSQVSKEVCQATDI		359
Qy	235	FEMCPLC-LDCPFWLLSSACALAQAGRLFDHGGTVFFSLFMALWAVLLLEYWKRKSATLA		293
		: : : : : : : : : :		
Db	360	I-MCPVCDKYCPFMRLSDSCVYAKVTHLFDNGATVFFAVFMAVWATVFLEFWKRRRAVIA		418
Qy	294	YRWDCSDYEDTEERPRPQFAAS-APMTAPNPITGEDEPYFPERSRARRMLAGSVVIVVMV		352
		: : : : : : : : :		
Db	419	YDWDLIDWEEEEEEIRPQFEAKYSKKERMNPISGKPEPYQAFTDKCSRLIVSASGIFFMI		478
Qy	353	AVVVMCLVSIILYRAIMAIVVSRSGNTLLA-AWA-----SRIASLTGSVV--NLVFILIL		404
		: : : : : : : : : :		

Db	479	CVVIAAVFGIVIVRVTV-----STFAAFKWALIRNNSQVAT-TGTAVCINFCIIMLL	530
Qy	405	SKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNY	464
		: : : : ::: :: : : :	
Db	531	NVLYEKVALLLTNLEQPRTESEWENSFTLKMFLFQFVNLSSTFYIAFFLGRFTGHPGAY	590
Qy	465	HTLFG-VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLPKLKGWWQKFLRSKKR	523
		: :: : : : : : :	
Db	591	LRLINRWRL EECHPSGCLIDL CMQMGII MVLKQTWNNFMELGYPLIQNWWTR---RKVRQ	647
Qy	524	KAGASAGASQGPWEDDYELVPCE--GLFDEYLEMVLQFGFVTIFVAACPLAPLFALLNNW	581
		: :	
Db	648	EHGPERKISFPQWEKDYNLQPMNAYGLFDEYLEMILQFGFTTIFVAAFPLAPLLALLNNI	707
Qy	582	VEIRLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYR	641
		: : : : : : :	
Db	708	IEIRLDAYKFVTQWRRPLASRAKDIGI WYGILEGIGILSVITNAFVIAITSDFIPRLVYA	767
Qy	642	W-----TRAHDLRGFLNFTLA-----RAPSSFAAAHNRTCryRAFR	677
		: : : : : : : : : : : : : :	
Db	768	YKYGPCAGQGEAGQKCMVGYNASLSVFRISDFENRSEPESDGSEFSGTPLKYCRYRDYR	827
Qy	678	DDDGH-----YSQTYWNLLAIRLAFVIVFEHVVF SVGRLLDLLVPDIPESVEIKVKREYY	732
		: : : : : : : : : : : : : :	
Db	828	DPPHSLVPYGYTLQFWHVLAA RLAFIIVFEHLVFCIKHLISYLIPDLPKDLRDRMRREKY	887
Qy	733	LAKQALAENEVLFGTNGTKDEQPKGSELSSHW	764
		: : : : : : : : : : : : : :	
Db	888	LIQEMMYEAELERLQKERKERKNGKAHHNEW	919

RESULT 2
US-10-104-047-2541
; Sequence 2541, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2541
; LENGTH: 596
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2541

Query Match 28.0%; Score 1154; DB 2; Length 596;
Best Local Similarity 41.3%; Pred. No. 1.7e-113;

Matches		250;	Conservative	108;	Mismatches	194;	Indels	54;	Gaps	14;
Qy	201	LLPAAVVGTLVFLVGCFLVFS	DIPTQELCGSKDSFEMCPLC-LDCPFWLLSSACALAQAG	259	: : : : : : :					
Db	2	LFPAAFIGLFLVFLYGVTTLDHSQVSKEVCQATDII-MCPVCDKYCPFMR	LSDESCVYAKVT	60						
Qy	260	RLFDHGGTVFFSLFMALWAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAAS-APM	318	: : : : : : : : :						
Db	61	HLFDNGATVFFFAVFMVWATVFLEFWKRRRAVIAYDWDLDWEEEEEEIRPQFEAKYSK	120							
Qy	319	TAPNPITGEDEPYFPERSRARRMLAGSVVIVVMVAVVVMCLVSIILYRAIMAIIVVSRSGN	378	: : : :: : : : : : : :						
Db	121	ERMNPISGKPEPYQAFTDKCSRLIVSASGIFFMICVIAAVFGIVIIYRVVTV-----S	173							
Qy	379	TLLA-AWA-----SRIASLTGSVV--NLVFILILSKIYVSLAHVLTRWEMHRTQTKFEDA	430	: : : : : : : : ::: : :						
Db	174	TFAAFKWALIRNNSQVAT-TGTAVCINFCIIMLLNVLYEKVALLLTNLEQPRTESEWENS	232							
Qy	431	FTLKVFIFQFVNIFYSSPVYIAFFKGRFVGYPGNYHTLFG-VRNEECAAGGCLIELAQELL	489	: : : : ::						
Db	233	FTLKMFLFQFVNLSSTFYIAFFLGRFTGHPGAYLRLINRWRLEECHPSGCLIDL	292							
Qy	490	VIMVGKQVINNMQEVLPKLKGWWQKFRLRSKRRKAGASAGASQGPWEDDYELVPCE--G	547	: : :: : ::						
Db	293	IIMVLKQTNWNNFMEELGYPLIQNWWR---RKVRQEHGPERKISFPQWEKDYNLQPMNAYG	349							
Qy	548	LFDEYLEMVLQFGFVTIFVAAACPLAPL	FALLNNWVEIRLDARKFVCEYRRPVAERAQDIG	607	: : : : :					
Db	350	LFDEYLEMILQFGFTTIFVAAAFPLAPLLALLNNIIEIRLDAYKFVTQWRRPLASRAKDIG	409							
Qy	608	IWFHILAGLTHLAVISNAFLLA	FSSDFLPRAYYRW-----TRAHDLRGFLNFTLA	657	: : : : : : : : : : : : : :					
Db	410	IWYGILEGIGILSVITNAFVIAITSDFIPRLVYAYKYGPCAGQGEAGQKCMVGYVNASLS	469							
Qy	658	-----RAPSSFAAAHNRTC	RYRAFRDDDGH-----YSQTYWNLLAIRLAFV	698	: : : : : : :					
Db	470	VFRISDFENRSEPESDGSEFSGTPLKYCRYRDYRDP	PHSLVPYGYTLQFWHVLAAARLAFI	529						
Qy	699	IVFEHVVF	SVGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDEQPKGS	758	: : : : : : ::: :: : : : :					
Db	530	IVFEHLVFCIKHLISYLIPDLPKDLRDRMRREKYLIQEMMYEAE	LERLQKERKERKKN	589						
Qy	759	ELSSHW	764	:						
Db	590	AHHNEW	595							

RESULT 3
US-10-104-047-3116
; Sequence 3116, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3116
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3116

Query Match 22.1%; Score 912.5; DB 2; Length 475;
Best Local Similarity 38.0%; Pred. No. 7.2e-88;
Matches 202; Conservative 89; Mismatches 143; Indels 97; Gaps 12;

Qy	274	MALWAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFP	333
		: : : : : : : :	
Db	1	MAVWATVFLEFWKRRRAVIAYDWDLIDWEEEE-----	32
Qy	334	ERSRARRMLAGSVVIVVMVAVVVMCLVSIILYRAIMAIVVSRSNTLLA-AWA-----SR	387
		: : : :: : : :	
Db	33	-----ICVVIAAVFGIVIYRVVTV-----STFAAFKWALIRNNSQ	67
Qy	388	IASLTGSSV--NLVFILILSKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYS	445
		: : : ::: : : ::: :: : :	
Db	68	VAT-TGTAVCINFCIIMLLNVLYEKVALLLTNLEQPRTESEWENSFTLKMFLFQFVNLNS	126
Qy	446	SPVYIAFFKGRFVGYPGNYHTLFG--VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEV	504
		: : : : :	
Db	127	STFYIAFFLGRFTGHPGAYLRLINRWRLLEECHPSGCLIDLQCMQGIIMVLKQTNWNNFMEL	186
Qy	505	LIPKLKGWWQKFRLRSKKRKAGASAGASQGPWEDDYELVPCE--GLFDEYLEMVLQFGFV	562
		: : : : : :	
Db	187	GYPLIQNWWTR---RKVRQEHGPERKISFPQWEKDYNLQPMNAYGLFDEYLEMILQFGFT	243
Qy	563	TIFVAACPLAPLFAALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVI	622
		: : : : : :	
Db	244	TIFVAAFPLAPLLALLNNIIEIRLDAYKFVTQWRRPLASRAKDIGIWIYGILEGIGILSVI	303
Qy	623	SNAFLLAFFSSDFLPRAYRW-----TRAHDLRGFLNFTLA-----R	658
		: : : : : : : : : : : : :	
Db	304	TNAFVIAITSDFIPRLVYAYKYGPCAGQGEAGQKCMVGYNASLSVFRISDFENRSEPES	363
Qy	659	APSSFAAAHNRTCRYRAFRDDDGH-----YSQTYWNLLAIRLAFVIVFEHVVSFVGRLLD	713
		: : : : : : : : : :	
Db	364	DGSEFSGTPLKYCRYRDYRDPPHSLVPYGYTLQFWHVLAARLAFIIVFEHLVFCIKHLIS	423
Qy	714	LLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDEQPKGSELSSHW	764
		: : : : : : : : : : : : : :	
Db	424	YLIPDLPKDLRDRMRREKYLIIQEMMYEAELERLQKERKERKKNGKAHHNEW	474

RESULT 4
US-10-108-260A-4483
; Sequence 4483, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4483
; LENGTH: 642
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-4483

Query Match 21.2%; Score 873.5; DB 3; Length 642;
Best Local Similarity 39.2%; Pred. No. 1.7e-83;
Matches 192; Conservative 93; Mismatches 172; Indels 33; Gaps 11;

Qy 5 QDGNTTVH---YALLSASWAVLCYYAEDLRLKLPLQELPNQASNWSAGLLAWLGIPNVLL 61
:| :| :| : : | | || | | :||| : : : | : ||| | :||
Db 116 RDEDTKIHGVGFKI HAPWNVLCREAEFLKLMPTKKMYH--INETRGLLK--KINSVLQ 171

Qy 62 EVVPDVPPEYYSCR-----FRVNKLPRFLGSDNQDTFFTSTKRHQILFEILAKTP 111
:: : |: | | | | | | | | | | | | | | | | | | | | :|
Db 172 KITDPIQPKVAEHRPQTMKRLSYFFSREKQHLFDLSD-KDSFFDSKTRSTIVYEILKRTT 230

Qy 112 YGHEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRQVLFQHWARWGKWN 171
| : :|| ||| || :||:|||| : : | |:|: : |||:| :
Db 231 CTKAKYS-MGITSLLANGVYAAAYPLHDGDY-----NGENVEFNDRKLLYEEWARYGVFY 284

Qy 172 KYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCFLVFSDIPTQELCGS 231
||||:| ||:||||| : ||||| || | :||:| | :||| || : :||: |:|
Db 285 KYQPIDLVRKYFGEKIGLYFAWLGVYTQMLIPASIVGIIVFLYGCATMDENIPSMEMCDQ 344

Qy 232 KDSFEMCPLC-LDCPFWLLSSACALAQAGRLFDHGGTVFFSLFMALWAVLLLEYWKRKSA 290
: : |||| | :| :|||| |:| |||: ||||:||||| :|:||||
Db 345 RHNITMCPLCDKTCSYWKMSACATARASHLFDNPATVFFSVFMALWAATFMEHWKRKQM 404

Qy 291 TLAYRWDCSDYEDTEERPRPQFAA-----SAPMTAPNPITGEDEPYFPERSRARRMLAGS 345
| |||| : :|: |: || : : | | : | | | : | | | |
Db 405 RLNYRWDLTGFEEDDHPRAEYEARVLEKSLKKESRNKET--DKVKLTWRDRFPAYLTNL 462

Qy 346 VVIVVMVAVVMCLVSIILYRAIMAIIVSRSGNTLLAAWASRIASLTGSVNVNLVFILILS 405
| |: |:| : : |:| | | : : : : : : : | : :||| |:|
Db 463 VSIIFMIAVTFAIVLGVIIYRISMAAALAMNSSPSVRSNIRVTVTATAVIINLVVIILLD 522

Qy 406 KIIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFIYSSPVYIAFFKGRFVGYPGNYH 465

Db 523 EVYGCiARWLTkIEVPKTEKSFEERLiFKAfLLKfVNSYtPIfYVAffKGRfVGRPGDYV 582
Qy 466 TLF-GVRNEE 474
Db 583 YIFRSFRMEE 592

RESULT 5
US-09-270-767-45552
; Sequence 45552, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45552
; LENGTH: 425
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-45552

Query Match 19.3%; Score 796; DB 2; Length 425;
Best Local Similarity 41.1%; Pred. No. 1.7e-75;
Matches 171; Conservative 85; Mismatches 128; Indels 32; Gaps 9;

Qy 287 RKSATLAYRWDCSDYEDTEERPRPQFAA---SAPMTAPNPITGEDEPYFFP-ERSRARRML 342
Db 1 RYSAEITHRWDLTGFDVHEEHPRPQYLARLEHIPPTRVDYVTNIKEPTVPFWRMKLPATV 60
Qy 343 AGSVVIVVMVAVVVMCLVSIILYRAIMAIVVSRSGNTLLAAWASRIASLTGSVVNLVFiL 402
Db 61 FSFSVVLALLIALAFVALLAVVVYRMSMLAALKVGASPMTTSSAIVLATASAAfVNLCLLY 120
Qy 403 ILSKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQfVNFYSSPVYIAffKGRfVGYPG 462
Db 121 ILNYMYNHlAEYLTElEMWRTQTQfDDSLTKIYLLQfVNYIASIfYIAffKKGfVGHPG 180
Qy 463 NYHTlFGVRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLiPKLKGWWQKfRLRSKK 522
Db 181 EYNKLFDYRQEECSGGCLTELciQLAIIMVGKQAFNTILEVYLPM---fWRKV---LA 233
Qy 523 RKAGASAGASQGP-----WEDDYELVP--CEGLfDEYLEMVLQfGFVTIfVAACPL 571
Db 234 IQVGLSRLFNNTPNPDkTKDERWMRDFKLLDWGARGLfPEYLEMVLQYGFVTIfVAAfPL 293
Qy 572 APLFALLNNWVEIRLDARKfVCEYRRPVAERAQDIGIWfHILAGLTHLAVISNAfLLAFS 631

Db 294 APFFALLNNILEMRLDAKKLLTHHKRPVSQVRVDIGVWYRILDCIGKLSVITNGFIIAFT 353
Qy 632 SDFLPR-AYYRWTRAHDLRGFLNFTLAR-----APSSFAAAHN---RTCRYRAFR 677
Db 354 SDMIPRLVRHXVVKQGTLDGYLNFTLSEFKVIDSPTLYSLAGDLSNITTCRYTDFR 409

RESULT 6
US-10-108-260A-3990
; Sequence 3990, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3990
; LENGTH: 483
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-3990

Query Match 16.6%; Score 684.5; DB 3; Length 483;
Best Local Similarity 35.1%; Pred. No. 1.7e-63;
Matches 171; Conservative 95; Mismatches 168; Indels 53; Gaps 14;

Qy 323 PITGEDE-----PYFPERSRARRMLAGSVVIVVMVAVVVMCLV-----SIILYRAIM 369
Db 2 PAVSEEEMALQLINCPDYKLRPYQHSYLSTVILV--LTLLMICLMIGMAHVLVVYRVLA 59
Qy 370 AIVVSRSGNTLLAAWASRIASLTGSVNVLFILILSKIYVSLAHVLTRWEMHRTQTKFED 429
Db 60 SALFSSSAVPFLEEQVTTAVVVTGALVHYVTIVIMTKINRRVALKLCDFEMPRTFSERES 119
Qy 430 AFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFGV-RNEECAAGGCLIELAQEL 488
Db 120 RFTIRFFTLQFFTHFSSLIYIAFILGRINGHPGKSTRLAGLWKLEECHASGCMMDLQVQM 179
Qy 489 LVIMVGKQVINNMQEVLIPLKLGWWQKFRRLRSKKRKAGASAGASQGP----WEDDYELVP 544
Db 180 AIIMGLKQTLNSNCVEYLVP-----WVTHKCRS--LRASESGHLPRDPELRDWRNYLLNP 232
Qy 545 CE--GLFDEYLEMVLQFGFVTIFVAACPLAPLNFALLNNWVEIRLDARKFVCEYRRPVAER 602
Db 233 VNTFSLFDEFMEMMIQYGFTTIFVAAFPLAPLLALFSNLVEIRLDAIKMVWLQRRLVPRK 292
Qy 603 AQDIGIWFHILAGLTHLAVISNAFLAFSSDFLPRAYYRW-----TRAHDLRGFL 652
Db 293 AKDIGTWLQVLETIGVLAVIANGMVIAFTSEFIPRVVYKYRYSPLKEGNSTVDCLKGYV 352

Qy	653	NFTLA-----RAPSSFAAAHNRT-CRYRAFRD-DDGHYSQTYWNLLAIRLAFVIVFEH	703
		: : : : : : :: : : :	
Db	353	NHSLSVFHTKDFQDPDGIEGSENVTLCRYRDYRNPPDYNFSEQFWFLAIRLAFVILFEH	412
Qy	704	VVFSVGRLLDLLVPDIPESVEIKV-KREYYLAKQALAENEVLFGTNGTKDEQPKGSELSS	762
		: : : : : : : : : : :	
Db	413	VALCIKLIAAWFVPDIPQSVKNKVLEVKYQRLREKMMWHGRQRLGGVGAGSRPP---MPA	468
Qy	763	HWTPFTV	769
		::	
Db	469	HPTPASI	475

RESULT 7
US-10-108-260A-3644
; Sequence 3644, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3644
; LENGTH: 660
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-3644

Query Match 14.4%; Score 594.5; DB 3; Length 660;
Best Local Similarity 24.1%; Pred. No. 1.1e-53;
Matches 171; Conservative 122; Mismatches 231; Indels 185; Gaps 20;

Qy	72	YSCRFRVKNKLPRFLG-SDNQDTFFTSTKRHQILFEILAKTPYGHEKKNLLG-----	121
		:: : : :	
Db	100	FTYRTRQN---FKGFDDNNDDFLTMAECQFII-----KHELENLRAKDEKMIPGY	146
Qy	122	-----IHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRQVLFQHW-ARWGK	169
		: : : : : :	
Db	147	PQAKLYPGKSLRLRLTSGIVIQVFPLHDS-----EALKKLEDTWYTRFAL	192
Qy	170	WNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCFLVFSDIPTQELC	229
		: : : : : : :	
Db	193	--KYQPIDSIRGYFGETIALYFGFLEYFTFALIPMAVIG-----	229
Qy	230	GSKDSFEMCPLCLDCPFWLLSSACALAQAGRLFDHGGTVFFSLFMALWAVLLLEYWKRKS	289
		: : : : : : :	
Db	230	-----LPYYLFVWE-----DYDKYVIFASFNLIWSTVILELWKRG	265
Qy	290	ATLAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVVIV	349

Db	266	ANMTYRWGTLLMKRKFEPRPGFHG---VLGINSITGKEEPLYPSYKRQLRIYLVSLPFV	322
Qy	350	VMVAVVVMCLVSIILYRAIMAIVVSRSNTLLAAWASRIASLTGSVVNLVFILILSKIYV	409
Db	323	CLCLYFSLYVMMIYFDMEVWALGLHENS---SEWTS-VLLYVPSIIYAIVIEIMNRLYR	378
Qy	410	SLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNIFYSSPVYIAFFKGRFVGYPGNYHTLFG	469
Db	379	YAAEFLTSWENHRLESAYQNHLLKVLVFNFLNCFASLFYIAFV-----	422
Qy	470	VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPLKLGWW--QKFRLRSKKRKAGA	527
Db	423	LKDMKL-----LRQSLATLLITSQILNQIMESFLP---YWLQRKHGVRVKRKVQAL	470
Qy	528	SAGASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFAALLNNWVEI	584
Db	471	KADIDATLYEQVILEKEMGTYLGTFFDYLELFLQFGYVSLFSCVYPLAAAFVLNNFTEV	530
Qy	585	RLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYRWTR	644
Db	531	NSDALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVVTNCALIGMSPQV--NAVFPESK	588
Qy	645	AHDLRGFLNFTLARAPSSFAAAHNRTCRYRAFRDDDDGHYSQTYWNLLAIRLAFVIVFEHV	704
Db	589	A-DL-----ILIVVAVEHA	601
Qy	705	VFSVGRLLDLLVPDIPESVEIKVKREYYLAKQALAEVLFGTNGTKDE	753
Db	602	LLALKFILAFaipdkprhiQMKLARLEFESLEALKQQQMKLVTENLKEE	650

RESULT 8
US-09-876-997-457
; Sequence 457, Application US/09876997
; Patent No. 7060479
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78.US4.CIP
; CURRENT APPLICATION NUMBER: US/09/876,997
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/731,872
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 457

; LENGTH: 393
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-997-457

Query Match 10.0%; Score 411.5; DB 3; Length 393;
Best Local Similarity 23.8%; Pred. No. 1.7e-34;
Matches 111; Conservative 95; Mismatches 172; Indels 89; Gaps 11;

```
Qy      292 LAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVVIVVM 351
      : |||      : | ||| |      : | |||::|| :| | | : | :
Db      1  MTYRWGTLMLMKRKFEPRPGFHG---VLGINSITGKEEPLYPYKRQLRIYLVSLPFVCL 57

Qy      352 VAVVVMCLVSIILYRAIMAIVVSRSGNTLLAAWASRIASLTGSVNVLVFILILSKIYVSL 411
      : :: |      : | : :      : | | :      |:: : | |:::|
Db      58  CLYFSLYVMMIYFDMEVWALGLHENSG---SEWTS-VLLYVPSIIYAIVIEIMNRLYRYA 113

Qy      412 AHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFGVR 471
      | || || || :: :: | || :| | :| ::| |||      ::
Db      114 AEFLTSWENHRLESAYQNHLLKVLVFNFLNCFASLFYIAFV-----LK 157

Qy      472 NEECAAGGCLIELAQELLVIMVGKQVINNMQEVLPKLKGWW--QKFRLRSKKRKAGASA 529
      : :      | | | ::| | :| :| :| :| |:: |
Db      158 DMKL-----LRQSLATLLITSQILNQIMESFLP---YWLQRKHGVRVVRKRVQALKA 205

Qy      530 GASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFAALLNNWVEIRL 586
      :| : | : | ||: ||| : |||: |::| ||| ||: ||| : |
Db      206 DIDATLYEQVILEKEMGTYLGTFFDYLELFLQFGYVSLFSCVYPLAAFAVLNNFTEVNS 265

Qy      587 DARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLAFSSDFLPRAYYRWTRAH 646
      || | :|| :| : :||:| : : :||:| | : | : :||
Db      266 DALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVVTNCALIGMSPQV--NAVFPEKA- 322

Qy      647 DLRGFLNFTLARAPSSFAAAHNRTCRYRAFRDDDGHYSQTYWNLLAIRLAFVIVFEHVVF 706
      ||      : | : || :
Db      323 DL-----ILIVVAVEHALL 336

Qy      707 SVGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDE 753
      :: :| :|| | ::|| : | : : :|| : :: | | :
Db      337 ALKFILAFaipdkprhiQMKLARLEFESLEALKQQQMKLVTENLKEE 383
```

RESULT 9

US-10-643-836-457

; Sequence 457, Application US/10643836

; Patent No. 7271243

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, Jean Baptiste

; APPLICANT: Bougueleret, Lydie

; APPLICANT: Jobert, Severin

; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS

; FILE REFERENCE: 78.US3.REG

; CURRENT APPLICATION NUMBER: US/10/643,836

; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US/09/731,872
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 457
; LENGTH: 393
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-643-836-457

Query Match 10.0%; Score 411.5; DB 3; Length 393;
Best Local Similarity 23.8%; Pred. No. 1.7e-34;
Matches 111; Conservative 95; Mismatches 172; Indels 89; Gaps 11;

Qy	292	LAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVVIVVM	351
		: : : :: : : :	
Db	1	MTYRWGTLLMKRKFEPRPGFHG---VLGINSITGKEEPLYPYKRQLRIYLVSLPFVCL	57
Qy	352	VAVVVMCLVSIILYRAIMAIVVSRSGNTLLAAWASRIASLTGSVVNLVFILILSKIYVSL	411
		: :: : : : : : : : : : :	
Db	58	CLYFSLYVMMIYFDMEVWALGLHENGSG---SEWTS-VLLYVPSIIYAIVIEIMNRLYRYA	113
Qy	412	AHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNIFYSSPVYIAFFKGRFVGYPGNYHTLFGVR	471
		:: :: : : :: : :	
Db	114	AEFLTSWENHRLESAYQNHILKVLVFNFLNCFASLFYIAFV-----LK	157
Qy	472	NEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPLKLGWW--QKFRLRSKKRKAGASA	529
		: : :: : : : : : :	
Db	158	DMKL-----LRQSLATLLITSQILNQIMESFLP---YWLQRKHGVRVVRKRVQALKA	205
Qy	530	GASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFAALLNNWVEIRL	586
		: : : : : : : : :	
Db	206	DIDATLYEQVILEKEMGTYLGTFFDYLELFLQFGYVSLFSCVYPLAAFAVLNNFTEVNS	265
Qy	587	DARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLLAFFSSDFLPRAYYRWTRAH	646
		: : : : : : : : : : :	
Db	266	DALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVVTNCALIGMSPQV--NAVFPEKA-	322
Qy	647	DLRGFLNFTLARAPSSFAAAHNRTCRYRAFRDDDGHYSQTYWNLLAIRLAFVIVFEHVVF	706
		: : : : : : : : :	
Db	323	DL-----ILIVVAVEHALL	336
Qy	707	SVGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDE	753
		:: : : :: : : : : :: :	
Db	337	ALKFILAFaipdkprhiQMKLARLEFESLEALKQQQMKLVTENLKEE	383

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; ORGANISM: Drosophila melanogaster
US-09-270-767-32253

Query Match 8.0%; Score 329.5; DB 2; Length 366;
Best Local Similarity 33.8%; Pred. No. 8.7e-26;
Matches 78; Conservative 48; Mismatches 86; Indels 19; Gaps 5;

Qy 11 VHYALLSASWAVLCYYAEDLRKLPLQELPNQASNWSAGLLAWLGIPNVL-----LEV 64
: : : | || ||| |:|::|::|:| : : : :| : |
Db 139 IWFVKIHAPLEVLRRYAEILKLMPMKEIPGMSVVNRSTKSVFSSLKHVFQFFLRNIYVD 198

Qy 65 PDVPPEYYSCRFRV--NKLPRFLGSDNQDTFFTSTKRHQILFEIL--AKTPYGHEKKNLL 120
:: |: : || :: :| || |||: | |: : || : | ::
Db 199 EEIFPK-RAHRFTAIYSRDKEYLFDIRQDCFFTTAVRSRIVEFILDRQRFPAKNQHDMAF 257

Qy 121 GIHQLLAEGVLSAAFLHDGPFKTPPEGPQAPRLNQVRQVLFQHWARWGKWNKYQPLDHVR 180
|| |:|:|||| |||:||||| | |:|:|||| || :|:|||| ::
Db 258 GIERLIAEGVYSAAYPLHDGEITETG-----TMRALLYKHWASVPKWYRYQPLDDIK 309

Qy 181 RYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCFLVFSDIPTQELCGS 231
||| |: | |||||:| | || |:|:| : || | : : :| ::| |
Db 310 EYFGVKIGLYFAWLGYTYMLLLASIVGVICFLYSWFSLKNYVPVKDICQS 360

RESULT 12
US-09-270-767-47470
; Sequence 47470, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47470
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47470

Query Match 8.0%; Score 329.5; DB 2; Length 366;
Best Local Similarity 33.8%; Pred. No. 8.7e-26;
Matches 78; Conservative 48; Mismatches 86; Indels 19; Gaps 5;

Qy 11 VHYALLSASWAVLCYYAEDLRKLPLQELPNQASNWSAGLLAWLGIPNVL-----LEV 64
: : : | || ||| |:|::|::|:| : : : :| : |
Db 139 IWFVKIHAPLEVLRRYAEILKLMPMKEIPGMSVVNRSTKSVFSSLKHVFQFFLRNIYVD 198

Qy 65 PDVPPEYYSCRFRV--NKLPRFLGSDNQDTFFTSTKRHQILFEIL--AKTPYGHEKKNLL 120
:: |: : || :: :| || |||: | |: : || : | ::
Db 199 EEIFPK-RAHRFTAIYSRDKEYLFDIRQDCFFTTAVRSRIVEFILDRQRFPAKNQHDMAF 257

Qy 121 GIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRQVLFQHWARWGKWNKYQPLDHVR 180
|| :|:|||| |||:||||| | :|:| || || :||||| ::
Db 258 GIERLIAEGVYSAAAYPLHDGEITETG-----TMRALLYKHWASVPKWYRYQPLDDIK 309

Qy 181 RYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCFLVFSDIPTQELCGS 231
||| |: ||||| |:| || |:| : || | : : :| ::| |
Db 310 EYFGVKIGLYFAWLGYTYMLLLASIVGVICFLYSWFSLKNYVPVKDICQS 360

RESULT 13

US-09-270-767-31816
; Sequence 31816, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31816
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-31816

Query Match 7.0%; Score 290; DB 2; Length 189;
Best Local Similarity 37.8%; Pred. No. 5.1e-22;
Matches 62; Conservative 25; Mismatches 59; Indels 18; Gaps 4;

Qy 93 FFTSTKRHQILFEILAKTPY--GHEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQ 150
| :: |: |: || : : | | : ||| :|: :|| : |: |||
Db 39 FLDASTRYSIINFILQRQRFVEGEETADNLGIEKLVQDGVYTCAYTLHD----- 87

Qy 151 APRLNQRQVLFQHWARWGKWNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTL 210
: | | : || || |||| :: ||| ||||| ||||| | :| :| | |
Db 88 ---KDDRDRLLKEWANISKWKNLQPLDQIKDYFGAKVALYFAWLGFYTQMLIPISVFGVL 144

Qy 211 VFLVGCFLVFSDIPTQELCGSKDSFEMCPLC-LDCPFWLLSSAC 253
|| | || ::::| : ||| | | :| |: |
Db 145 CFLYGFITWNSDPISRDI CDDNGTI-MCPQCDRSCDYWRLNETC 187

RESULT 14

US-09-270-767-47033
; Sequence 47033, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47033
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47033

Query Match 7.0%; Score 290; DB 2; Length 189;
Best Local Similarity 37.8%; Pred. No. 5.1e-22;
Matches 62; Conservative 25; Mismatches 59; Indels 18; Gaps 4;

Qy 93 FFTSTKRHQILFEILAKTPY--GHEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQ 150
| :: |: |: || : : | | : ||| :: || : |: |||
Db 39 FLDASTRYSIINFILQRQRFVEGEETADNLGIEKLVQDGVYTCAITLHD----- 87

Qy 151 APRLNQVRQVLFQHWARWGKWNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGT 210
: | | : || || |||| :: ||| ||||| ||||| |:| :| | |
Db 88 ---KDDRDRLLKEWANISKWKNLQPLDQIKDYFGAKVALYFAWLGFYTQMLIPISVFGVL 144

Qy 211 VFLVGCFLVFSDIPTQELCGSKDSFEMCPLC-LDCPFWLLSSAC 253
|| | || ::::| : ||| | | :| |: |
Db 145 CFLYGFITWNSDPISRDI CDDNGTI-MCPQCDRSCDYWRLNETC 187

RESULT 15
US-09-270-767-31722
; Sequence 31722, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31722
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-31722

Query Match 6.2%; Score 255.5; DB 2; Length 199;
Best Local Similarity 29.8%; Pred. No. 2.7e-18;
Matches 59; Conservative 46; Mismatches 64; Indels 29; Gaps 5;

Qy 261 LFDHGGTVFFSLFMALWAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAASAPMTA 320
| |: || |: ||: |||: ||: ||| || | :|| : : | |||: | |
Db 11 LIDNNMTVVFAFSMAIWAVVYLEFWKRY SAGLVHRWGLTGFTHHVEHPRPQYLARISRT- 69

Qy	321	PNPITGEDEPYFPERSRARRMLAGSV-----VIVVMVAVVVMCLVSIILY	365
		: : :: : : : : : :	
Db	70	-KKLAG--KAYEQDQTGKRTILDPDVPFWSFKFLPNFTSYSIMVLFICISVIAIAGIIIIY	126
Qy	366	RAIMAIVVSRSGNTLLAAWAS-----RIASLTGSVVNLVFIILLSKIYVSLAHVLTRWEM	420
		: : :: : : : : : : :	
Db	127	R-----MAQRASHSILGSENSMTFKVMILPMTAGIIDLIVISLLDMVYSNLAVKLTNYEY	181
Qy	421	HRTQTKFEDAFTLKVFIF	438
		: : : : : : :	
Db	182	CRTQTEYDESLTIKKNYVF	199

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Job time : 281 secs

SCORE : 0